

ANNOUNCEMENT OF PROMOTIONS MADE BY PRES. COMPTON

Four Retirements Swell List of Institute Professors Emeritus

23 APPOINTMENTS MADE

The retirement of four members of the faculty of the Institute after more than 40 years of service, and the annual appointments and promotions were announced by President Karl T. Compton last night.

The retiring members of the faculty are Frank A. Laws, '89, professor of electrical measurements; James R. Lambirth, assistant professor of mechanical engineering; Robert H. Smith, professor of machine construction; and Arthur G. Robbins, '86, professor of topographical engineering. They all retire with the title of professor emeritus.

Lt. Col. Arthur Promoted

Promotions to the grade of professor include Lt. Col. Robert Arthur, who becomes professor of military science and tactics. He joined the staff of the Institute in 1929 as assistant professor, and was promoted to associate professor in 1930. He is a native of Webster, S. D., and was graduated from the United States Military Academy in 1907.

Carl G. A. Rossby becomes professor of meteorology. He joined the faculty of Technology in 1928 after carrying on important research for the Daniel Guggenheim Fund for the Promotion of Aeronautics. Professor Rossby was born in Stockholm, Sweden, where he was educated at the University of Stockholm. Later he studied at the University of Leipzig and at the Geophysical Institute in Bergen.

Slichter Now Full Professor

Dr. Louis B. Slichter was appointed associate professor of geology last year and now is promoted to the rank of professor. He is a graduate of the University of Wisconsin, and during the war carried on important studies in the detection of submarines. Dr. Slichter has also had wide experience in geophysical prospecting.

Dr. Norbert Wiener of the department of mathematics is also promoted to the rank of professor. He is now at Trinity College, Cambridge, England, on a year's leave of absence. In addition to carrying on advanced studies, Dr. Wiener is giving a series of lectures on Fourier integrals. He has delivered a number of papers before mathematical societies in England, and late this summer attended the Mathematical Congress.

Dr. Wiener was graduated from Tufts College in 1909, studied at Cornell University, and received the degrees of master of arts and doctor of philosophy from Harvard in 1912 and 1913. He has also carried on advanced work at Cambridge University, Göttingen, and Columbia. He joined the staff of Technology as instructor of mathematics in 1919.

Seven Teaching Fellows

President Compton's announcement also included the names of seven teaching fellows in physics. They are Richard Evans, D. B. Langmuir, D. L. McAdam, R. D. Richtmyer, H. A. Robinson, W. Shockley, and H. T. Smyth.

Dr. Glennon Gilboy of the department of civil engineering has been promoted to associate professor of soil mechanics. Promotions to the grade of assistant professor include Harold E. Edgerton, who becomes assistant professor of electrical meas-

(Continued on page four)

President Compton Welcomes New Students To Institute

President Karl T. Compton Saturday afternoon issued the following welcome to all new men entering the Institute for the first time.

OFFICE OF THE PRESIDENT
To all men entering the Institute:

To you, members of the large group of freshmen, transfer, and graduate students who enter Technology for the first time this fall, I extend a most cordial welcome.

During the years since the Institute was founded, it has continually worked to improve the character of the instruction offered. You come at a time when because of this effort the instruction is at its best. Just at the present time there is small demand for the highly trained technical man, but it is generally felt that those who prepare now will be ready for whatever opportunities may appear in the future. Give your best to your work. Enter into the spirit of it, and make the most of the opportunities that are here for you.

(Signed)

KARL T. COMPTON,
President

SLIGHTLY SMALLER FINAL REGISTRATION IS LIKELY THIS YEAR

\$177,000 in Loans and \$77,000
in Scholarships Granted
Worthy Students

15 WOMEN RECEIVE \$9000

Although definite figures will not be available for several days, the final registration at the Institute is expected to be slightly less than last year, it was announced today. Present economic conditions are also reflected at the Institute in increased applications for scholarships and grants from the Technology Loan Fund.

More than \$177,000 in loans have already been made this year, which is close to the total of last year's loans. Scholarships totalling \$68,000 have been granted to 350 men students, while 15 women have received scholarships valued at \$9000.

New Eastman Laboratories

Students returning to Technology this fall will find the new George Eastman Research Laboratories for Physics and Chemistry in operation. The space provided by this new building, which forms a unit on the east side of the main educational group, is expected to facilitate the activities of these two departments and to make possible expansion of work in several others. The building was completed this year at a cost of more than a million dollars and its equipment in many respects is unique among educational institutions. The new unit also includes the spectroscopy laboratory which was opened last spring.

New Administration Plan Begins Today

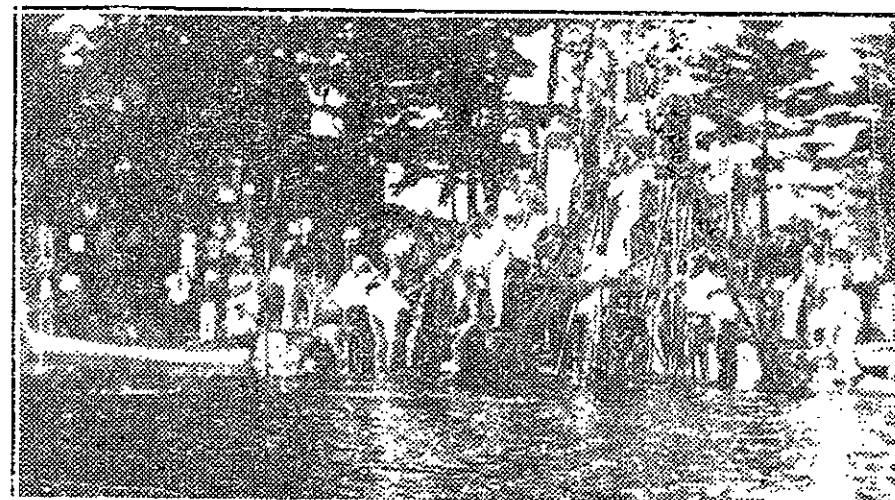
With the opening of the Institute today the beginning of a new plan of academic organization goes into effect under which, for administrative purposes, the Institute is subdivided into the Schools of Science, Engineering, and Architecture, and the Divisions of

(Continued on page three)

Smiling Skies and Tropic Weather Greet Freshmen At Camp; Second Year President Tossed Into Lake



President Karl T. Compton officially greets the first year men as they gather around the council ring at the camp.



Edward C. Collins, '35, is here shown emerging from the water just a few moments after he was tossed in by a number of first year men as their classmates looked on approvingly.

Complimentary Dinner Arranged For New Men At All Technology Smoker

The All Technology Smoker, the Institute's welcome to new men which is sponsored by the Institute Committee and supported by the various undergraduate activities, will be held Friday evening, October 7, in Walker Memorial. At that time all men entering the Institute for the first time, attend a dinner with the compliments of the Undergraduate Association, listen to short talks by men well-known in the life of Technology, and make a brief tour of the student activity offices.

Entertainment features will be presented during the course of dinner, and afterwards the Technique Cup will be awarded to the best all around athlete of last year and the Schwartz Medal will be presented to the most efficient athletic manager.

The All Technology Smoker is one of the largest of the student events of the early fall and gives the new men at the Institute another opportunity to acquaint themselves with the various activities open to the undergraduate student.

FALL TOURNAMENT BEGINS THIS WEEK

Entry Lists Close September 30,
Trophy Cup For Victor

The Fall Tennis Tournament this year will begin immediately after the beginning of classes. All undergraduate students who will be eligible for either freshman or varsity competition in the Spring are invited to compete. Will all those interested please sign up in the lobby of building ten? The entry lists will close at noon on Friday, the thirtieth of September.

The tournament cards will be posted that afternoon so that the first round of matches may be played over the weekend. The seeded players are: Frank Koerner, Fred Feustel, Steve Spraguens, Norm Harris, Jim Eder, Lowell Lammers, Jake Lytle, and Charlie Fauchter. The winner of this year's tournament will receive a twelve inch cup as a permanent trophy.

ENTERING STUDENTS TO HEAR PRESIDENT

President Karl T. Compton will address all new men at the Institute this afternoon in the lecture hall Room 10-250 at 3 o'clock. The talk will be in the nature of a welcome to the newcomers. All those entering are expected to be present.

Professor Frederick S. Wood, Chairman of the Faculty and Dean Harold E. Lobdell, '17, will also address the assembly.

SOPHOMORE HEAD TAKES DUCKING AS FROSH PEP SOARS

President Compton Hits Home
Runs in Scrub Baseball Game
With Freshmen

CAMPERS RETURN TODAY

Under sunny skies and tropic temperatures, which set a record for good weather at the camp, two hundred sun-tanned and enthusiastic freshmen, comprising the advance guard of the class of 1936, indulged in athletics and discussions at Camp Massapoag, as guests of the T. C. A. Joined by leaders of the undergraduate and the administrative life of the Institute, the new men, in their three day stay, learned much of the customs and traditions of Technology. Observers were unanimous in their praise for the fine spirit which the class exhibited throughout its stay.

Early Friday evening, just a few hours after their arrival at camp, a group of the new men began their search for the Sophomore vice-president, Wesley H. Loomis III, following a rumor, which was circulated, that he was in camp. The search was in vain, however, and Loomis spent the night comfortably in the Tech Cabin.

Saturday the search was resumed with better luck and at 4.15 o'clock in the afternoon both Loomis and Edward C. Collins, '35, the president of the class were captured and thrown into the lake. Another Sophomore at the camp masqueraded as a freshman and until a late hour last night was not detected.

Pres. Compton Addresses Group

On Saturday afternoon President Karl T. Compton, Vice-president Vanevar Bush, and Dean Harold E. Lobdell, '17, welcomed the new men to the Institute. After the meeting, a game of scrub baseball was organized, the lineup including Doctor Compton, Professors Hamilton, Morris, Owen, and Ryan, Mr. MacKinnon, the Registrar, and Mr. Rhind, the Assistant Bursar, Doctor Croke, Mr. Ross, Mr. Aborn, and Victor J. Duplin, Jr., G. Doctor Compton was the star of the game, hitting more home runs than all the other players combined.

At the Saturday evening assembly in the Council ring Professor Ryan, head of the Chemistry Department, Professor Morris of the Department of Geology, Mr. O. Zeigler of the T. C. A. advisory council, Mr. MacKinnon and Mr. Rhind addressed the men. Edward Ash, '34, president of the Junior Class urged all freshmen to attend the class mass meetings which

(Continued on page two)

Complimentary Issues

THE TECH will be distributed free to the students and Faculty of the Institute for the first two issues. Wednesday the newspaper will be sold by salesmen only for subscription tickets or cash. Subscriptions can be purchased for \$2.50 in cash or charged to the school account, to be paid when it is convenient. The subscription booklets will be sold by all members of THE TECH staff, and at both the News and Business offices of the newspaper in Walker Memorial. Single copies sell for five cents. SUBSCRIBE NOW AND SAVE MONEY!

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IS TECH HELL?

EVERY so often, and the times are frequent enough, one hears reference to a phrase coined long ago: "Tech is Hell." Perhaps it is, we are not disputing the wisdom of the ancient sage who was so able to epitomize life at the Institute. But as the years have gone by, there has grown up the idea that Technology is nothing but a machine that grinds, and grinds fine. Those able to stand the grinding come out with a good foundation to enter the professions, but the price of such a training is a complete sacrifice of college life.

The man who enters Technology with this idea may turn into the "brown-bagger" he expects to become, but on the other hand there are opportunities open wide to the men who wish to do something other than attend classes and make preparation. We have here a system of undergraduate activities that embraces something in almost any field a man could wish. Athletics are represented by teams in practically every college sport except football and baseball, and there are class teams of the latter. Publications are present in the four edited by students. The Musical Clubs and Dramashop offer openings to those interested in either of these two fields. The various professional societies are open to the students. There are a number of honorary groups, and the classes each have their officers and committees.

By no means is there a dearth of activity for the student who wishes to participate in activities other than the required scholastic work. The opportunity is here for those willing to accept it. Technology may be a school where one has to work to meet the required scholastic standards, and it is surely a place where it is possible for a man to withdraw from society and spend his time solely in his school work if he so desires, but it remains that the Institute is not a school devoid of student activity. It is not a factory, grinding out men, unless perchance they wish to be ground.

BADGES OF HONOR

TECHNOLOGY is famous, or notorious if you wish, for being one of the few schools where the collegiate spirit is practically nil, and where elaborate rules of conduct are not forced on the freshmen. At other colleges and technical schools strenuous efforts may be made to develop within the members of the incoming classes something which may be called a respect for tradition or a love for alma mater, but at the Institute no such efforts are made.

Instead of requiring the new men to wear "dinks", speak to everyone they meet, learn a lot of songs and cheers, or do any of a number of things, Technology tradition and custom calls for the members of the Class of 1936 to wear the regulation cardinal and gray ties for the first part of the year. This is not for the purpose of humiliating the Class of 1936 nor to make the first year men feel that they are the meekest of the meek. Instead, they are asked to wear the ties so that they may become better acquainted and build up a stronger class spirit.

When a group of almost total strangers enter into the life they will lead for four years, and when as the years go by these men will, more and more, be called upon to accept the responsibility of student affairs, it is wise that they make some effort to become acquainted and to have contact with each other. In a student body as large as that at the Institute, and with such a large number of freshmen, without some mark of distinction it would be practically impossible for the freshmen to know which men are in their class, and it is here that the freshmen ties come to the rescue. Instantly upon seeing the tie, the new man at the Institute is able to tell that the man he meets is a member of his class. Seeing these men, knowing that they are all members of the Class of 1936 together, and realizing that the class exists as a unit tends to build up his class spirit and acquaintance which is so vital to the proper conduct of student affairs in later years.

Technology has few traditions which are widely known. We are far from the "rah-rah" college of the movies of a few years ago. We are not of the type that requires freshmen to follow the elaborate set of rules. Our freshman ties are not for the purpose of humiliation; they are a distinction which binds the incoming Class more closely together. They are the badge of honor of the Class of 1936, and as such should be worn by them.

SMILING SKIES GREET FRESHMEN AT CAMP

(Continued from page one)

would be announced later. Louis P. Halladay, 3rd, '34, chairman of the Freshman Rules Committee received applause mingled with sighs and groans as he gave the new men their first glimpse of the freshman tie which they must wear until Christmas.

Doctor Croke offered an illustrated talk on the work of the Homberg Infirmary which was received with much interest. The day closed with motion pictures in Friendship Lodge.

Track Men Star

Beautiful weather prevailed on Sunday and many men starred at the morning track meet which Coach Oscar Hedlund organized. The baseball diamond, the rowing shells, the volley ball courts and the shooting galleries were filled with men throughout the day and the players showed rare ability in all sports. So good was the baseball series that both the A. A. president Richard L. Fossett, '33, and Coach Vic. Duplin of the hockey team urged the men to form a strong class baseball team for the Spring.

The husky shouts of the first year coxswains echoed and re-echoed throughout the day on the narrow lake as crew after crew of first year men, chosen by straws, went onto the water, the majority in a shell for the first time in their lives. It was a thrilling finish indeed in the late afternoon when the winning crew snatched victory from the other finalists in a close race and made their first bid for Field Day berths.

While bats cracked and spectators cheered on the baseball field where the winning freshman baseball team, tents 7-12, battled with the counselors, other games: volley ball, indoor baseball, bowling and horse shoe pitching, smaller but with as much spirit, continued to build up ties of friendship among the new men. The dinner call came to a famished yet happy crowd and signified the athletic end of a strenuous day. Later that evening the men gathered in the council ring under the stars and around a big bonfire discussed their problems in a new school.

Athletic movies under Coach Hedlund's direction completed the day and sent the groups in twos and threes back to their cabins, to prepare for today's departure.

JOURNALISM OPTION OPEN TO FRESHMEN

All freshmen who plan to join either the Tech Engineering News or THE TECH are strongly advised to take the special journalism option of Eli. Those who intend to do so must see Mr. Frederick G. Fassett, Jr., who is in charge of the option in Room 2-274.

Freshmen Rules

1. All freshmen should wear regulation ties, four-in-hand, with cardinal and gray stripes. They should be worn when on the Institute grounds from the first day of classes until the end of the rules period. The ties will be sold on Registration Day by the Freshmen Rules Committee and thereafter at the Coop.

2. Freshmen are expected to speak to all members of the Faculty and to tip their hats to the President of the Institute and to the Dean. Freshmen should not loiter around the Main Lobby nor sit on the benches in the Lobby.

3. Enforcement of these rules is at the discretion of the Freshman Rules Committee. Rules shall be in force during the first term. If the Freshmen win Field Day, these restrictions shall be removed at the beginning of Christmas Vacation.

These rules have been adopted for the purpose of bringing about a more congenial spirit at the Institute and of fostering interest in Technology among the entering class. Consequently the rules do not include measures which are merely for the purpose of humiliating the first year man.

PHYSICALS MUST BE TAKEN BEFORE NOV. 1

Annual physical examination time is here. The Homberg Infirmary sends out a call for prompt action on the part of the student body, with the reminder that a five dollar fine will be imposed on anybody who has not been examined by November 1.

Freshmen are warned that they cannot go out for any sport until their examination has been completed.

Miss Broderick, Secretary of the Medical Division, will be on hand at the Infirmary to take identification photographs of freshmen. The camera will be ready any afternoon between four and five o'clock.

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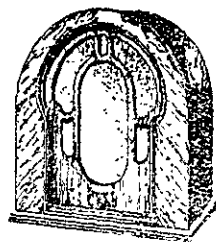
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Last year the dividends paid on purchases was 10 per cent on cash and 8 per cent on charge.

All memberships start July 1 and expire June 30.

FINAL REGISTRATION LIKELY TO DECREASE

(Continued from page one)

Humanities and of Industrial Cooperation.

The three schools comprise those departments of study in which degrees are awarded. In the Division of Humanities students will be given that further cultural training and background which is an essential part of a well-balanced education. The Division of Industrial Cooperation is designed to make as effective as possible the assistance which the Institute renders in a variety of ways to business and industry in solving their technical problems.

In establishing the graduate schools of engineering, science, and architecture, the new academic organization recognizes the importance of graduate study at the Institute. The Institute has awarded approximately one-third of all the advanced degrees in engineering given in this country, and in certain departments, notably chemical, and aeronautical engineering, the Institute has awarded approximately one-half of all the advanced degrees.

Also, with the opening of the school for registration this morning, Dr. Vannevar Bush officially begins his first academic year as vice-president of the Institute. Dr. Bush is also dean of engineering, while Dr. Samuel C. Prescott, head of the department of biology and public health, is dean of science. Professor William Emerson, who is in charge of his department, is dean of architecture.

New Administration Council To Hold Weekly Meetings

The new plan of administrative organization includes an administrative council which will hold weekly meet-

ings in order that all its members may be kept informed of the various activities of the Institute. This council will consist of President Karl T. Compton, Vice-President Bush, members of the executive committee of the committee of the corporation, Dean of Science Prescott, Dean of Architecture Emerson, Dr. Allan W. Rowe, president of the alumni association, Chairman of the Faculty Frederick S. Woods, Bursar Horace S. Ford, Professor Charles L. Norton, director of the Division of Industrial Cooperation, Dean of the Graduate School H. Manley Goodwin, and Dean of Students H. E. Lobdell.

New appointments at the Institute include Dr. W. D. Urry, a young English physical chemist who is recognized as one of the world's leading experts in the determination of the geological age of minerals through measurements of their radio-active and rare gas contents. He comes to Technology as a research fellow from Johns Hopkins University.

THE SPORTS DESK

While the results of the track meet held Sunday morning at Camp Massapoag were not astounding, they nevertheless show that some good material exists in the class of 1936. More than sixty of the yearlings participated in the five events.

Foremost among the freshman track aspirants was Stanley Johnson, son of the Popular Doc Johnson of the track house. Following in his father's footsteps, he won the dash and the broad-jump to lead the day's scorers. The trio of high-jumpers who cleared five feet seven inches should also develop into good men.

PSI DELTA CHANGES TO PHI DELTA THETA

Psi Delta, founded at Technology in 1922, officially attached itself to Phi Delta Theta and became one of its chapters it was announced at the fraternity quarters yesterday.

The first National Phi Delta Theta convention which Psi Delta attended was in 1926, to which it sent two unofficial delegates, merely to learn something of presentation procedure. In 1928 at Nashville, Psi Delta was honored with a vote of confidence. Psi Delta voluntarily withheld its petition from the 1930 convention, preferring to present its case after two more years of constructive effort.

In 1931 Psi Delta received a unanimous vote of approval from the Alpha Province and later from the Phi Delta Theta Alumni Club at Massachusetts Institute of Technology.

Sophomore Fools Freshmen Posing As A Classmate

Freshmen at the T. C. A. camp were completely befuddled by the chicanery of a shrewd Sophomore who, posing as a Freshman, remained incognito throughout the camp period. The Sophomore, John P. Cary, '35, who, under his former name of Mather, was a mainstay on last year's freshman hockey team, obtained a freshman tag and joined in the games with other first-year men. He played as catcher of the baseball team of tents 19-24 and none of the players knew his identity.

Oberin has two college bands — one made up of the women students, the other men.

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A MASS MEETING FOR FRESHMEN

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ANNOUNCE CHANGES IN INSTITUTE FACULTY

(Continued from page one)

urements; Erik G. Rudberg, assistant professor of physics; and B. A. Thresher, assistant professor of economics.

New appointments include Maj. O. J. Gatchell, associate professor of military science and tactics; Capt. T. J. Johnston, and Capt. Louis R. Knight, assistant professors of military science and tactics; and E. Hopf, assistant professor of mathematics.

Registrar Becomes Lecturer

Registrar Joseph C. MacKinnon has been appointed lecturer on statistics. John L. Reid becomes instructor in architecture, and J. K. Vennard, research assistant in mechanical engineering. Gardner Emmons, appointed research associate in meteorology, received the degree of master of science from Harvard University last year, having studied under the late Prof. Robert C. Ward and Prof. Henry B. Bigelow.

Of the four retiring members of the faculty, Professor Lambirth has had the longest service. He has been instructing in forging for 48 years, and nearly 15,000 students have passed through his class. Today at the age of 84, Professor Lambirth is still active. He is a native of Chelmsford, England, and came to this country with his family when he was 13 years old. He was employed in the great ship-building yards of the Atlantic Works in East Boston during the time when the Monitor of Civil War fame was being built for her battle with the Merrimac. He joined the staff of the Institute in 1884. Until several years ago Professor Lambirth had not known illness, and for 39 years he never missed a class at the Institute.

Laws Here 43 Years

Professor Laws, who is a native of Brockton, is a graduate of the Institute in the class of 1889 and studied at Harvard. He joined the Institute staff in the year of his graduation as an assistant in physics, and in 1897 became assistant professor of electrical measurements. From 1906 until 1913 he held an associate professorship in electrical testing. Professor Laws was a member of the staff of the research laboratory of electrical engineering in 1913-14, and a member of the research division of the department since 1918.

Professor Smith was born in the Province of Quebec, and received his early education at Granby Academy. He later carried on special studies at Technology and at Harvard. In 1923 he received the honorary degree of master of science from Rhode Island State College. Professor Smith's teaching career at the Institute began in 1886. In 1919 he was appointed assistant professor of mechanical engineering, and was promoted to the rank of professor of machine construction in 1931. Professor Smith is well known to generations of Technology students. He is the author of "Elements of Machine Work", "Principles of Machine Work", and "Advanced Machine Work". In April, 1928 he was elected an honorary member of the Technology Alumni Association.

Robbins Institute Graduate

Professor Robbins was born at Carlisle, Mass. His early education was gained at Westford, Academy, and he was graduated from the Institute in 1886. In the same year he joined the staff as assistant in civil engineering. He was appointed assistant professor of highway engineering in 1896, and in 1936 became associate professor of topographical engineering. He was promoted to the grade of professor three years later. For many years he was a member of the teaching staff at Technology's summer school of civil engineering at East Machias, Me. He is a member of the Boston Society of Civil Engineers and affiliated with the American Society of Civil Engineers. Professor Robbins has long been active in the Appalachian Mountain Club. From 1902 to 1906 he was secretary of the Technology Alumni Association.

To each of these retiring members President Compton has written an expression of the gratitude of the Institute for their long and important service at Technology.

At the University of Denver six students were expended when they attended class in swimming suits.

ENGINEER NEWS ON STANDS TODAY

The Tech Engineering News makes its bow to the Class of '36 with a fascinating and well rounded issue. The key article, contributed by President Karl T. Compton, sketches the attacks on three major problems of modern physics: transmutation, cosmic rays and high voltage. The progress in each field is skillfully outlined and the hopes and difficulties of future work suggested.

Harris S. Campbell, Design Engineer for the Autogiro Company of America, delves into the design features of the now well known "Flying Windmill". Labor control, the relation between the engineer and labor, is cleverly treated by Mr. Lewisohn who brings forth many examples from his own rich experience. The issue also contains a discussion of rocket travel by Cecil E. Mann, '35, a treatise on the manufacture of dry ice, by Alonzo W. Ruff, '26, a review of research now in progress at the institute and various shorter topics of more or less interest.

St. Mary's has banned boxing and wrestling as minor sports. Authorities declared that these two sports were abolished because of the injury

that Moragan boxers received in 1930-31. And also because the meets were held in the evening, thereby interfering with the studies of the boxers.

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